**Biofest Presentation Requirements**

Mrs. Krouse, PreAP Biology

**Overview:** For this portion of your Biofest project, you will be working with your group members to prepare and give a 15 minute presentation about your topic. All group members must contribute equally to this project. You will be required to complete peer evaluations upon completion of your presentation. For your project, you will create a Powerpoint, Prezi, or Google Slides presentation and sum-up activity for the class. The requirements for each portion of the project are given below.

**Due Date:** Your group will be presenting on Monday, January 30th or Wednesday, February 1st. All groups (regardless of presentation date) must have their presentations submitted via email to [ottolike@pwcs.edu](mailto:ottolike@pwcs.edu) by Monday, January 30th. If your presentation is not submitted via email by this date, your group will receive a 10% deduction (a full letter grade).

**Biofest:** One group from your class will be selected by Mrs. Krouse to present at Biofest. Biofest will be from 6:30-8:30 PM on Thursday, February 9th. Group members will need to arrive 30 minutes early to set up their presentation. Group members will receive ten Biotech hours for presenting and more hours for winning (exact amount TBD). The group will be required to have a take-home item for audience members. If you are selected to present at Biofest, Mrs. Krouse will help you to develop your take-home item.

*Note: Student who attend (but do not present) will receive two Biotech hours for attending.*

**Requirements for the In-Class Presentation:**

***Powerpoint, Prezi, or Google Slides Presentation:*** The Powerpoint, Prezi, or Google Slides component of your presentation must include the following elements. This portion of the presentation should take about 10 minutes.

1. A title slide with your group topic and the full names of all group members.
2. 3-4 slides with general information about the overall group topic. The information should be presented as a bulleted list with a logical flow of information. In other words, the facts should connect well with one another. During your presentation you will NOT read off the bulleted list. Instead, you will use the list as an outline for your discussion. By the end of this section of your presentation, your audience should have a clear, basic understanding of your group topic.
3. 3-4 slides with information about one of your group’s subtopics. Again, the information should be presented as a bulleted list with a logical flow of information. You must explain how this subtopic is related to the overall group topic. By the end of this section of your presentation, your audience should have a clear, basic understanding of the subtopic and be able to connect it to the overall topic. You should not begin this part of the presentation by saying something like “our first subtopic is…” Instead, explain that in this part of your presentation, you are going to focus on this aspect of the overall topic.
4. 3-4 slides with information about another of your group’s subtopics. All requirements listed in #3 apply to this requirement.
5. 1-2 slides that explain why it is important to be knowledgeable of your group’s topic in today’s society. You must include at least two reasons. These reasons should be clearly described, compelling, and unbiased.
6. Throughout your Powerpoint, Prezi, or Google Slides presentation, you must include at least FIVE images that clearly connect to the topics you are discussing. You cannot use clip art or cartoon images. Photographs you use cannot be “photoshopped.” In other words, they have not been altered in any way. You do not need to include citations for these images. At least two of these images must be diagrams, charts, or graphs that you explicitly and clearly explain to the audience.
7. 1-2 “works cited” slides in which you include at least 10 legitimate sources cited in proper MLA format.
8. Your presentation should be aesthetically-appealing with appropriate color and font choices. The slides should all have consistent formatting and organization.
9. All information in your presentation must be concise and written in large font. You must use proper spelling and grammar. All information should be written in your own words, not copied directly from a source. Your entire group may receive a zero for plagiarism if any parts of your presentation are copied directly from a source.
10. You should be mostly facing your audience when you are presenting, not looking at the slides you have created. If you think you will get nervous and forget what you have to say, make note cards.

***Sum-Up Activity:*** Your sum-up activity must meet the following requirements. The activity should take up 3-5 minutes of your presentation.

1. You must choose an activity that involves at least five of the audience members.
2. You must choose an activity that extends their knowledge of the overall topic or one of the subtopics that was discussed.
3. You must choose an activity that is appropriate for a high school / junior high audience.
4. You have clearly explained how the activity relates to your topic.
5. You must clearly explain the directions for the activity and guide your audience members through it in a way that is efficient and easy to understand.
6. All the information given during your activity must be accurate.
7. You must have all materials that you need for the activity with you when you present.
8. Below is a list of activities that have been successful in the past. You do not need to choose one of these options, but all groups must have their activity approved by Mrs. Krouse before the presentation date.

* An online simulation or activity that you pull up on Mrs. Krouse’s Smart Board (ex: an online crime scene DNA fingerprint matching activity)
* A 2D or 3D modeling activity (example: using paper cut-outs to model the process of creating a GMO animal, cloning a whole organism, creating a medicine using bacterial transformation etc.)
* A simulation of how quickly viral diseases spread through a population
* A simulation of how a bacterial population becomes antibiotic-resistant due to misuse of antibiotics
* Have your audience view food labels and guess whether they contain genetically modified plants (see lesson plan and food labels at <http://www.agclassroom.org/teacher/matrix/lessonplan.cfm?lpid=86>)
* Have your audience read an article about mandatory genetic testing or designer babies and ask follow-up discussion questions
* You CANNOT do a review game like Jeopardy or Who Wants to be a Millionaire? Similarly, your activity cannot solely consist of follow-up questions and audience answers.

**Biofest Presentation Rubric**

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| **Requirement** | **Expectations** | **Teacher Comments** | **Points Earned** |
| Title Slide | -You have included a title slide with your group topic and the full names of all group members. |  | /1 |
| Information about the overall group topic | -You have included 3-4 slides.  -The information is presented as a bulleted list with a logical flow of information  -The information presented is relevant, clear, and accurate. |  | /10 |
| Information about the first subtopic | -You have included 3-4 slides  -The information is presented as a bulleted list with a logical flow of information.  -The information presented is relevant, clear, and accurate.  -You have clearly explained how this information relates to the overall topic.  -You have not used the word “Subtopic” |  | /10 |
| Information about the second subtopic | -You have included 3-4 slides.  -The information is presented as a bulleted list with a logical flow of information.  -The information presented is relevant, clear, and accurate.  -You have clearly explained how this information relates to the overall topic.  -You have not used the word “Subtopic” |  | /10 |
| Communicating the importance of the topic in today’s society | -You have included 1-2 slides.  -You have included at least two reasons the audience should be knowledgeable about your overall topic.  -Your reasons are clearly described, compelling, and unbiased. |  | /5 |
| Images | -You have included five images.  -You have chosen images that are directly related to the topics you are discussing.  -You have clearly and accurately explained what is shown in two of your images, which must be diagrams, charts, or graphs.  -None of your images are clip art or cartoons.  -None of your photographs are photoshopped. |  | /5 |
| Works Cited | -You have included 1-2 slides.  -You have included at least 10 legitimate sources.  -Your citations are in proper MLA format. |  | /3 |
| General Requirements for the Powerpoint, Prezi, or Google Slides presentation | -Your presentation is aesthetically-appealing with appropriate font and color choices.  -Your slides have consistent formatting and organization.  -The information is concise and in large font.  -The information is written with proper spelling and grammar.  -All information is written in your own words.  -You are mostly facing the audience when you are presenting.  -You are not reading off the slides. |  | /10 |
| Sum-Up Activity | -Your activity includes at least five of the audience members  -Your activity extends the audience’s knowledge of the group topic or one of the subtopics  -Your activity is appropriate for a high school / junior high audience.  -You have clearly explained how the activity relates to your topic  -You have clearly explained the directions for the activity and guided your audience members through it in a way that is efficient and easy to understand.  -All the information you have provided is accurate.  -You had all the materials necessary for your activity.  -Your activity is not a review game. It also does not consist solely of follow-up questions and audience answers. |  | /20 |

**Total Points: \_\_\_\_\_/74**